SEQUENCE LISTING

<110>   TAKESHIMA, Seiji
        MATSUMURA, Tadanobu
        KISHIMOTO, Takahide
        OKA, Masanori
        HIRAYAMA, Noriaki

<120>   MODIFIED PYRROLOQUINOLINE QUINONE (PQQ) DEPENDENT GLUCOSE DEHYDROGENASE
        EXCELLENT IN SUBSTRATE SPECIFICITY

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<151>   2004-08-31

<150>   JP 2003-315797
<151>   2003-09-08

<150>   JP 2003-315799
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<150>   JP 2004-060283
<151>   2004-03-04

<150>   JP 2004-060282
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<170>   PatentIn version 3.1

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Leu Trp Gly Pro Asp Asn Gln Ile Trp Leu Thr Glu Arg Ala Thr Gly
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Gln Val Pro Glu Ile Val Ser Asp Ala Asp Gly Gln Asn Gly Leu Leu
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Gly Phe Ala Phe His Pro Asp Phe Lys His Asn Pro Tyr Ile Tyr Ile

                              85   90   95

Ser Gly Thr Phe Lys Asn Pro Lys Ser Thr Asp Lys Glu Leu Pro Asn
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Gln Thr Ile Ile Arg Arg Tyr Thr Tyr Asn Lys Thr Thr Asp Thr Phe
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Glu Lys Pro Ile Asp Leu Ile Ala Gly Leu Pro Ser Ser Lys Asp His
        130   135   140

Gln Ser Gly Arg Leu Val Ile Gly Pro Asp Gln Lys Ile Tyr Tyr Thr
145   150   155   160

Ile Gly Asp Gln Gly Arg Asn Gln Leu Ala Tyr Leu Phe Leu Pro Asn
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Gln Ala Gln His Thr Pro Thr Gln Gln Glu Leu Asn Ser Lys Asp Tyr
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His Thr Tyr Met Gly Lys Val Leu Arg Leu Asn Leu Asp Gly Ser Val
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Pro Lys Asp Asn Pro Ser Phe Asn Gly Val Val Ser His Ile Tyr Thr
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Leu Gly His Arg Asn Pro Gln Gly Leu Ala Phe Ala Pro Asn Gly Lys
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Val Leu Lys Gly Gly Asn Tyr Gly Trp Pro Asn Val Ala Gly Tyr Lys
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Asp Asp Ser Gly Tyr Ala Tyr Ala Asn Tyr Ser Ala Ala Thr Asn Lys
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Ser Gln Ile Lys Asp Leu Ala Gln Asn Gly Ile Lys Val Ala Thr Gly
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Pro Leu Lys Thr Leu Tyr Thr Val Gln Asp Thr Tyr Asn Tyr Asn Asp
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Ile Lys Leu Asp Pro Thr Tyr Ser Thr Thr Leu Asp Asp Ala Ile Pro
385             390             395             400

Met Phe Lys Ser Asn Asn Arg Tyr Arg Asp Val Ile Ala Ser Pro Glu
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Gly Asn Thr Leu Tyr Val Leu Thr Asp Thr Ala Gly Asn Val Gln Lys
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gtagcaacag gtgttcctgt gactaaagag tctgaatgga ctggtaaaaa ctttgtgccg      960

cctttgaaaa ctttatatac ggtacaagat acctataact ataatgaccc tacttgtggt     1020

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ggcaaaaaag cgattccagg gtgggaaaat acattattgg tcccatcttt aaaacgtggg     1140

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tatgtgctga ctgatacagc ggggaatgta caaaaagatg atggttctgt cactcatact     1320

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